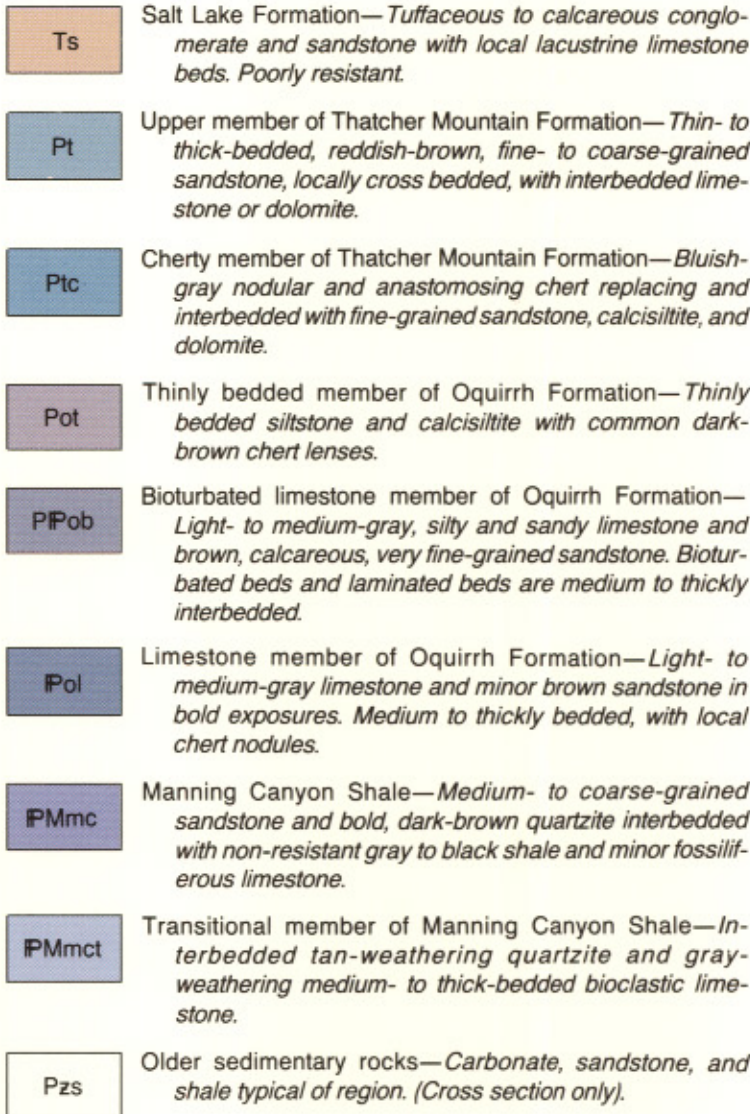
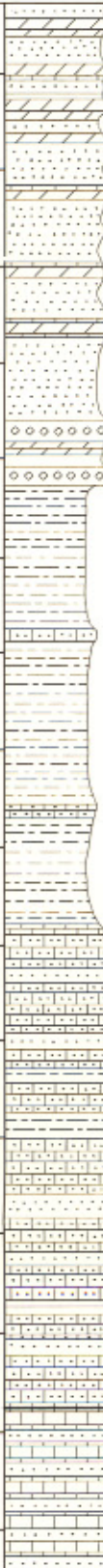



**GEOLOGIC MAP OF THE HOWELL QUADRANGLE,
BOX ELDER COUNTY, UTAH**

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UPPER PALEOZOIC STRATIGRAPHY



FORMATION	MEMBER	THICKNESS Feet (Meters)	LITHOLOGY	UNIT
Thatcher Mountain Formation	Upper member	17000 (5182)		Pt
		16000 (4877)		
	Cherty member	15000 (4572)		Ptc
		14000 (4267)		
Oquirrh Formation	Thinly bedded member	13000 (3962)		Pot
		12000 (3658)		
		11000 (3353)		
		10000 (3048)		
	Bioturbated limestone member	9000 (2743)		PiPob
		8000 (2438)		
		7000 (2133)		
		6000 (1829)		
		5000 (1524)		
		4000 (1219)		
	Limestone member	3000 (914)		IPol
		2000 (610)		
Manning Canyon Shale	Transitional member	1000 (304)		IPMmc
		0		IPMmc

*On cross section only.

Trace of Provo shoreline
(Also serve as unit contacts locally)

Thrust fault — *Teeth on upthrown side; queried where probable.*

Direction of plunge indicated.

